



05/70  
08/18

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/072,602 A  
Source: 0128  
Date Processed by STIC: 8-13-02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

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U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
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Revised 01/29/2002

Does Not Comply  
Corrected Diskette Needed

see p. 6 - 10  
error on page 3



OIIPE

## RAW SEQUENCE LISTING

DATE: 08/13/2002

PATENT APPLICATION: US/10/072,602A

TIME: 14:18:04

Input Set : A:\249 revised sequence.txt

Output Set: N:\CRF3\08132002\J072602A.raw

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3 <110> APPLICANT: University of Utah Research Foundation
4   Cognetix, Inc.
5   Olivera, Baldomero M.
6   McIntosh, J, Michael
7   Watkins, Maren
8   Garrett, James E.
9   Cruz, Lourdes J.
10  Grilley, Michelle
11  Schoenfeld, Robert M.
12  Walker, Craig
13  Shetty, Reshma
14  Jones, Robert M.
16 <120> TITLE OF INVENTION: Cone Snail Peptides
18 <130> FILE REFERENCE: 2314-249
C--> 20 <140> CURRENT APPLICATION NUMBER: US/10/072,602A
C--> 20 <141> CURRENT FILING DATE: 2002-02-11
20 <150> PRIOR APPLICATION NUMBER: US 60/267,408
21 <151> PRIOR FILING DATE: 2001-02-09
23 <160> NUMBER OF SEQ ID NOS: 638
25 <170> SOFTWARE: PatentIn version 3.0
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29 <212> TYPE: DNA
30 <213> ORGANISM: Conus ammiralis
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33 <221> NAME/KEY: CDS
34 <222> LOCATION: (4)..(231)
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39   1           5           10          15
41 tcg acc cag gcc ctg gtt gaa cgt gct gga gaa aac cgc tca aag gag      96
42 Ser Thr Gln Ala Leu Val Glu Arg Ala Gly Glu Asn Arg Ser Lys Glu
43           20           25           30
45 aac atc aat ttt tta tta aaa aga aag aga gct gct gac agg ggg atg      144
46 Asn Ile Asn Phe Leu Leu Lys Arg Lys Arg Ala Ala Asp Arg Gly Met
47           35           40           45
49 tgg ggc gat tgc aaa gat ggg tta acg aca tgt ttt gcg ccc tca gag      192
50 Trp Gly Asp Cys Lys Asp Gly Leu Thr Thr Cys Phe Ala Pro Ser Glu
51           50           55           60
53 tgt tgt tct gag gat tgt gaa ggg agc tgc acg atg tgg tgatgacctc      241
54 Cys Cys Ser Glu Asp Cys Glu Gly Ser Cys Thr Met Trp
55           65           70           75

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## RAW SEQUENCE LISTING

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Input Set : A:\249 revised sequence.txt

Output Set: N:\CRF3\08132002\J072602A.raw

57 tgaccacaag ccattctgaca tcaccactct cctcttcaga ggcttcaag 290

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60 <211> LENGTH: 76

61 <212> TYPE: PRT

62 <213> ORGANISM: Conus ammiralis

64 <400> SEQUENCE: 2

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66 1 5 10 15

68 Thr Gln Ala Leu Val Glu Arg Ala Gly Glu Asn Arg Ser Lys Glu Asn

69 20 25 30

71 Ile Asn Phe Leu Leu Lys Arg Lys Arg Ala Ala Asp Arg Gly Met Trp

72 35 40 45

74 Gly Asp Cys Lys Asp Gly Leu Thr Thr Cys Phe Ala Pro Ser Glu Cys

75 50 55 60

77 Cys Ser Glu Asp Cys Glu Gly Ser Cys Thr Met Trp

78 65 70 75

80 <210> SEQ ID NO: 3

81 <211> LENGTH: 31

82 <212> TYPE: PRT

83 <213> ORGANISM: Conus ammiralis

85 <220> FEATURE:

86 <221> NAME/KEY: PEPTIDE

87 <222> LOCATION: (1)..(31)

88 <223> OTHER INFORMATION: Xaa at residues 18, 22 and 25 is Glu or gamma-carboxy-Glu;

Xaa at

89 residue 16 is Pro or hydroxy-Pro; Xaa at residues 3 and 31 is Trp

90 (D or L) or bromo-Trp (D or L)

92 <400> SEQUENCE: 3

W--> 93 Gly Met Xaa Gly Asp Cys Lys Asp Gly Leu Thr Thr Cys Phe Ala Xaa

94 1 5 10 15

W--> 96 Ser Xaa Cys Cys Ser Xaa Asp Cys Xaa Gly Ser Cys Thr Met Xaa

97 20 25 30

99 <210> SEQ ID NO: 4

100 <211> LENGTH: 295

101 <212> TYPE: DNA

102 <213> ORGANISM: Conus ammiralis

104 <220> FEATURE:

105 <221> NAME/KEY: CDS

106 <222> LOCATION: (4)..(246)

108 <400> SEQUENCE: 4

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110 Met Glu Lys Leu Thr Ile Leu Leu Leu Val Ala Ala Val Leu Met

111 1 5 10 15

113 tcg acc cag gcc ctg cct caa ggt ggt gga gaa aaa cgc cca agg gag 96

114 Ser Thr Gln Ala Leu Pro Gln Gly Gly Gly Glu Lys Arg Pro Arg Glu

115 20 25 30

117 aat atc aga ttt tta tca aaa aga aag aca aat gct gag cgt tgg agg 144

118 Asn Ile Arg Phe Leu Ser Lys Arg Lys Thr Asn Ala Glu Arg Trp Arg

119 35 40 45

121 gag ggc agt tgc acc tct tgg tta gcg acg tgt acg caa gac cag caa 192

## RAW SEQUENCE LISTING

DATE: 08/13/2002

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TIME: 14:18:04

Input Set : A:\249 revised sequence.txt

Output Set: N:\CRF3\08132002\J072602A.raw

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122 Glu Gly Ser Cys Thr Ser Trp Leu Ala Thr Cys Thr Gln Asp Gln Gln
123          50          55          60
125 tgc tgt act gat gtt tgt tac aaa agg gac tac tgc gcc ttg tgg gat      240
126 Cys Cys Thr Asp Val Cys Tyr Lys Arg Asp Tyr Cys Ala Leu Trp Asp
127      65          70          75
129 gac cgc tgaccacaag ccattctgaca tcaccactct cctgttcaga gtcttcaag      295
130 Asp Arg
131 80
133 <210> SEQ ID NO: 5
134 <211> LENGTH: 81
135 <212> TYPE: PRT
136 <213> ORGANISM: Conus ammiralis
138 <400> SEQUENCE: 5
139 Met Glu Lys Leu Thr Ile Leu Leu Leu Val Ala Ala Val Leu Met Ser
140 1          5          10          15
142 Thr Gln Ala Leu Pro Gln Gly Gly Gly Glu Lys Arg Pro Arg Glu Asn
143      20          25          30
145 Ile Arg Phe Leu Ser Lys Arg Lys Thr Asn Ala Glu Arg Trp Arg Glu
146      35          40          45
148 Gly Ser Cys Thr Ser Trp Leu Ala Thr Cys Thr Gln Asp Gln Gln Cys
149      50          55          60
151 Cys Thr Asp Val Cys Tyr Lys Arg Asp Tyr Cys Ala Leu Trp Asp Asp
152 65          70          75          80
154 Arg
156 <210> SEQ ID NO: 6
157 <211> LENGTH: 36
158 <212> TYPE: PRT
159 <213> ORGANISM: Conus ammiralis
161 <220> FEATURE:
162 <221> NAME/KEY: PEPTIDE
163 <222> LOCATION: (1)..(36)
164 <223> OTHER INFORMATION: Xaa at residue 3 is Glu or gamma-carboxy-Glu; Xaa at
residues 1,
165      9 and 33 is Trp (D or L) or bromo-Trp (D or L); Xaa at residues 2
166      5 and 29 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-T
167      yr or O-phospho-Tyr
169 <400> SEQUENCE: 6
W--> 170 Xaa Arg Xaa Gly Ser Cys Thr Ser Xaa Leu Ala Thr Cys Thr Gln Asp
171 1          5          10          15
W--> 173 Gln Gln Cys Cys Thr Asp Val Cys Xaa Lys Arg Asp Xaa Cys Ala Leu
174      20          25          30
W--> 176 Xaa Asp Asp Arg
177      35
179 <210> SEQ ID NO: 7
180 <211> LENGTH: 275
181 <212> TYPE: DNA
182 <213> ORGANISM: Conus ammiralis
184 <220> FEATURE:
185 <221> NAME/KEY: CDS
186 <222> LOCATION: (4)..(219)

```

residue 2 is Arg not  
Xaa. Residue 5 is Ser  
not Xaa.

## RAW SEQUENCE LISTING

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Input Set : A:\249 revised sequence.txt

Output Set: N:\CRF3\08132002\J072602A.raw

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191   1          5          10          15
193 tcg acc cag gcc ctg ttt caa gaa aaa cgc aca atg aag aag atc gat      96
194 Ser Thr Gln Ala Leu Phe Gln Glu Lys Arg Thr Met Lys Lys Ile Asp
195          20          25          30
197 ttt tta tca aag gga aag gca gat gct gag aag cag agg aag cgc aat      144
198 Phe Leu Ser Lys Gly Lys Ala Asp Ala Glu Lys Gln Arg Lys Arg Asn
199          35          40          45
201 tgc tcg gat gat tgg cag tat tgt gaa agt ccc agt gac tgc tgt agt      192
202 Cys Ser Asp Asp Trp Gln Tyr Cys Glu Ser Pro Ser Asp Cys Cys Ser
203          50          55          60
205 tgg gat tgt gat gtg gtc tgc tcg gga tgaactctga ccacaagtca      239
206 Trp Asp Cys Asp Val Val Cys Ser Gly
207          65          70
209 tccgacatca ccactctcct gttcagaggc ttcaag      275
211 <210> SEQ ID NO: 8
212 <211> LENGTH: 72
213 <212> TYPE: PRT
214 <213> ORGANISM: Conus ammiralis
216 <400> SEQUENCE: 8
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218 1          5          10          15
220 Thr Gln Ala Leu Phe Gln Glu Lys Arg Thr Met Lys Lys Ile Asp Phe
221          20          25          30
223 Leu Ser Lys Gly Lys Ala Asp Ala Glu Lys Gln Arg Lys Arg Asn Cys
224          35          40          45
226 Ser Asp Asp Trp Gln Tyr Cys Glu Ser Pro Ser Asp Cys Cys Ser Trp
227          50          55          60
229 Asp Cys Asp Val Val Cys Ser Gly
230 65          70
232 <210> SEQ ID NO: 9
233 <211> LENGTH: 25
234 <212> TYPE: PRT
235 <213> ORGANISM: Conus ammiralis
237 <220> FEATURE:
238 <221> NAME/KEY: PEPTIDE
239 <222> LOCATION: (1)..(25)
240 <223> OTHER INFORMATION: Xaa at residue 10 is Glu or gamma-carboxy-Glu; Xaa at
residue 12
241   is Pro or hydroxy-Pro; Xaa at residues 6 and 18 is Trp (D or L) o
242   r bromo-Trp (D or L); Xaa at residue 8 is Tyr, 125I-Tyr, mono-iod
243   o-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Tyr
245 <400> SEQUENCE: 9
W--> 246 Asn Cys Ser Asp Asp Xaa Gln Xaa Cys Xaa Ser Xaa Ser Asp Cys Cys
247 1          5          10          15
W--> 249 Ser Xaa Asp Cys Asp Val Val Cys Ser
250          20          25
252 <210> SEQ ID NO: 10

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## RAW SEQUENCE LISTING

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Input Set : A:\249 revised sequence.txt

Output Set: N:\CRF3\08132002\J072602A.raw

253 &lt;211&gt; LENGTH: 280

254 &lt;212&gt; TYPE: DNA

255 &lt;213&gt; ORGANISM: Conus ammiralis

257 &lt;220&gt; FEATURE:

258 &lt;221&gt; NAME/KEY: CDS

259 &lt;222&gt; LOCATION: (4)..(246)

261 &lt;400&gt; SEQUENCE: 10

262 atc atg cag aaa ctg ata atc ctg ctt ctt gtt gct gct cta ctg ttg 48

263 Met Gln Lys Leu Ile Ile Leu Leu Leu Val Ala Ala Leu Leu Leu

264 1 5 10 15

266 tcg atc cag gcg gta aat caa gaa aaa cac caa cgg gca aag atc aac 96

267 Ser Ile Gln Ala Val Asn Gln Glu Lys His Gln Arg Ala Lys Ile Asn

268 20 25 30

270 ttg ctt tca aag aga aag cca cct gct gag cgt tgg tgg cgg tgg gga 144

271 Leu Leu Ser Lys Arg Lys Pro Pro Ala Glu Arg Trp Trp Arg Trp Gly

272 35 40 45

274 gga tgc atg gct tgg ttt ggg aaa tgt tcg aag gac tcg gaa tgt tgt 192

275 Gly Cys Met Ala Trp Phe Gly Lys Cys Ser Lys Asp Ser Glu Cys Cys

276 50 55 60

278 tct aat agt tgt gac ata acg cgc tgc gag tta atg cga ttc cca cca 240

279 Ser Asn Ser Cys Asp Ile Thr Arg Cys Glu Leu Met Arg Phe Pro Pro

280 65 70 75

282 gac tgg tgacatcgac actctcctgt tcagagtctt caag 280

283 Asp Trp

284 80

286 &lt;210&gt; SEQ ID NO: 11

287 &lt;211&gt; LENGTH: 81

288 &lt;212&gt; TYPE: PRT

289 &lt;213&gt; ORGANISM: Conus ammiralis

291 &lt;400&gt; SEQUENCE: 11

292 Met Gln Lys Leu Ile Ile Leu Leu Leu Val Ala Ala Leu Leu Leu Ser

293 1 5 10 15

295 Ile Gln Ala Val Asn Gln Glu Lys His Gln Arg Ala Lys Ile Asn Leu

296 20 25 30

298 Leu Ser Lys Arg Lys Pro Pro Ala Glu Arg Trp Trp Arg Trp Gly Gly

299 35 40 45

301 Cys Met Ala Trp Phe Gly Lys Cys Ser Lys Asp Ser Glu Cys Cys Ser

302 50 55 60

304 Asn Ser Cys Asp Ile Thr Arg Cys Glu Leu Met Arg Phe Pro Pro Asp

305 65 70 75 80

306 Trp

308 &lt;210&gt; SEQ ID NO: 12

309 &lt;211&gt; LENGTH: 39

310 &lt;212&gt; TYPE: PRT

311 &lt;213&gt; ORGANISM: Conus ammiralis

313 &lt;220&gt; FEATURE:

314 &lt;221&gt; NAME/KEY: PEPTIDE

315 &lt;222&gt; LOCATION: (1)..(39)

316 <223> OTHER INFORMATION: Xaa at residues 19 and 31 is Glu or gamma-carboxy-Glu; Xaa  
at res

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/13/2002  
PATENT APPLICATION: US/10/072,602A      TIME: 14:18:05

Input Set : A:\249 revised sequence.txt  
Output Set: N:\CRF3\08132002\J072602A.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 3,16,18,22,25,31  
Seq#:6; Xaa Pos. 1,3,9,25,29,33  
Seq#:9; Xaa Pos. 6,8,10,12,18  
Seq#:12; Xaa Pos. 1,2,4,10,19,31,36,37,39  
Seq#:15; Xaa Pos. 5,8,14,18,19  
Seq#:18; Xaa Pos. 3,5,7,8,14,18  
Seq#:21; Xaa Pos. 4,7,9,13,17,23,27  
Seq#:24; Xaa Pos. 8,13  
Seq#:27; Xaa Pos. 8,13  
Seq#:30; Xaa Pos. 4,5,11  
Seq#:33; Xaa Pos. 4,7,8,11,12,13,14,25,32  
Seq#:36; Xaa Pos. 4,7,8,11,13,14,25,32  
Seq#:39; Xaa Pos. 4,7,8,11,13,14,21,25,29  
Seq#:42; Xaa Pos. 7,8,11,13,14,21,25  
Seq#:45; Xaa Pos. 4,5,7,8  
Seq#:48; Xaa Pos. 5,6,8,9  
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Seq#:54; Xaa Pos. 4,5,7,8  
Seq#:57; Xaa Pos. 1,2,5,6,9  
Seq#:60; Xaa Pos. 2,3,6,15,17,22,23  
Seq#:63; Xaa Pos. 5,10  
Seq#:66; Xaa Pos. 4,7,13,25,31  
Seq#:69; Xaa Pos. 10,23,25,35  
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Seq#:78; Xaa Pos. 23,25,35  
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Seq#:99; Xaa Pos. 5,13,24,25  
Seq#:102; Xaa Pos. 1,5,13,24,25  
Seq#:105; Xaa Pos. 1,5,11,13,24,25  
Seq#:108; Xaa Pos. 6,7,13,21,22,23,27  
Seq#:111; Xaa Pos. 1,12,16  
Seq#:114; Xaa Pos. 10,11,22,23,24,25  
Seq#:115; Xaa Pos. 7  
Seq#:118; Xaa Pos. 3,7,14,29,31,33,37,43,51,55,63,65  
Seq#:119; N Pos. 87,113,128,139,144,165,526,542,586,593,602,612,621,628,639  
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**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/072,602A**

DATE: 08/13/2002  
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Input Set : A:\249 revised sequence.txt  
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Seq#:239; Xaa Pos. 3,5,6  
Seq#:240; Xaa Pos. 4,7,9,13,23



RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/072,602A

DATE: 08/13/2002  
TIME: 14:18:05

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Output Set: N:\CRF3\08132002\J072602A.raw

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Seq#:280; Xaa Pos. 4,8  
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Seq#:295; Xaa Pos. 5  
Seq#:298; Xaa Pos. 3,6,7  
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Seq#:310; Xaa Pos. 1,6  
Seq#:313; Xaa Pos. 2,3,15,17,22,23,31,32,36  
Seq#:316; Xaa Pos. 1,3,6,15,17,22,23,32,35,37  
Seq#:319; Xaa Pos. 2,3,15,17,20,22,28,31,37  
Seq#:320; N Pos. 256  
Seq#:322; Xaa Pos. 2,3,15,17,22,23,31,32,36  
Seq#:325; Xaa Pos. 1,3,11,15,22,23,28,31,32,38  
Seq#:328; Xaa Pos. 2,3,18,22  
Seq#:331; Xaa Pos. 7,12  
Seq#:334; Xaa Pos. 11  
Seq#:337; Xaa Pos. 6,10  
Seq#:338; N Pos. 35  
Seq#:340; Xaa Pos. 11  
Seq#:341; N Pos. 95  
Seq#:343; Xaa Pos. 6,11  
Seq#:346; Xaa Pos. 7,12  
Seq#:347; Xaa Pos. 6,11  
Seq#:350; Xaa Pos. 5,10  
Seq#:353; Xaa Pos. 6,11  
Seq#:354; N Pos. 251,253,270,311  
Seq#:356; Xaa Pos. 7,12  
Seq#:359; Xaa Pos. 1,6,11  
Seq#:362; Xaa Pos. 1,11

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Seq#:365; Xaa Pos. 11  
Seq#:366; N Pos. 292,303  
Seq#:368; Xaa Pos. 8,12  
Seq#:371; Xaa Pos. 5,10  
Seq#:372; Xaa Pos. 2,5,8,17,23,27,32,38,39,41,43,45,58  
Seq#:375; Xaa Pos. 4,5,7,9  
Seq#:376; N Pos. 2,3,8,10,18,21,22,28,32,35,38,39,44,50,52,66,67,76,77,80  
Seq#:376; N Pos. 84,86,88,89,92,96,97,98,99,107,108,111,112,113,114,115,119  
Seq#:376; N Pos. 121,126,130,131,135,136,144,153,154,156,159,166,169,172  
Seq#:376; N Pos. 173,174,175,181,182,184,185,193,194,195,209,213,214,226  
Seq#:376; N Pos. 227,228,230,233,234,235,236,248,250,252,254,257,260,261  
Seq#:376; N Pos. 262,266,269,295,303,331,340,345,380,407,439,525,533  
Seq#:376; Xaa Pos. 3,14  
Seq#:377; Xaa Pos. 3,14  
Seq#:378; Xaa Pos. 1,5,11  
Seq#:381; Xaa Pos. 1,5  
Seq#:384; Xaa Pos. 2,6,10,12  
Seq#:387; Xaa Pos. 2,6  
Seq#:390; Xaa Pos. 6,10,12  
Seq#:393; Xaa Pos. 1,3,8,11,14,16  
Seq#:396; Xaa Pos. 1,3,8,11,14,16  
Seq#:399; Xaa Pos. 2,8,12  
Seq#:402; Xaa Pos. 6,10  
Seq#:403; Xaa Pos. 6,13  
Seq#:404; Xaa Pos. 6,13  
Seq#:407; Xaa Pos. 1,7,14  
Seq#:410; Xaa Pos. 1,2,7,14,15  
Seq#:413; Xaa Pos. 1,2,7,14,15  
Seq#:416; Xaa Pos. 5  
Seq#:417; Xaa Pos. 4,6,11  
Seq#:418; N Pos. 193  
Seq#:420; Xaa Pos. 4,6,7,10,13  
Seq#:423; Xaa Pos. 6,11,12,13,14  
Seq#:424; N Pos. 210  
Seq#:426; Xaa Pos. 2,7,8,14,19  
Seq#:429; Xaa Pos. 5,10,12  
Seq#:432; Xaa Pos. 6,13  
Seq#:435; Xaa Pos. 5,6,12  
Seq#:438; Xaa Pos. 7,8,14  
Seq#:441; Xaa Pos. 6,7,10,13  
Seq#:444; Xaa Pos. 6,7,13  
Seq#:447; Xaa Pos. 6,7,9,15  
Seq#:450; Xaa Pos. 2,7,10,13  
Seq#:453; Xaa Pos. 7,15  
Seq#:454; N Pos. 8,14,15,22,25,27,32,33,37,52,59,60,65,75,78,87,88,93,101  
Seq#:454; N Pos. 104,106,108,110,114,116,120,130,131,132,136,141,146,151  
Seq#:454; N Pos. 157,159,172,175,176,183,184,186,189,190,195,198,201,202  
Seq#:454; N Pos. 206,209,210,211,213,219,220,224,228,235,242,244,250,255  
Seq#:454; N Pos. 258,259,262,269,276,290,294,301,306,308,309,316,318,320

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Seq#:454; N Pos. 322,324,336,372  
Seq#:456; Xaa Pos. 6,7,8,9,11,12,14,15,16  
Seq#:465; Xaa Pos. 14,26,31  
Seq#:467; Xaa Pos. 9,13,17  
Seq#:468; Xaa Pos. 16  
Seq#:469; Xaa Pos. 13  
Seq#:470; Xaa Pos. 16  
Seq#:471; Xaa Pos. 1,5,6,10,15,26,33  
Seq#:473; Xaa Pos. 3,7,8,14  
Seq#:475; Xaa Pos. 16  
Seq#:476; Xaa Pos. 18  
Seq#:477; Xaa Pos. 18  
Seq#:478; Xaa Pos. 19  
Seq#:479; Xaa Pos. 9,13  
Seq#:531; Xaa Pos. 12  
Seq#:532; Xaa Pos. 11  
Seq#:542; Xaa Pos. 3  
Seq#:543; Xaa Pos. 5,6  
Seq#:548; Xaa Pos. 7,13,21,22,27  
Seq#:569; Xaa Pos. 4,13,16  
Seq#:585; Xaa Pos. 2,3,12,14  
Seq#:622; Xaa Pos. 3  
Seq#:625; Xaa Pos. 9  
Seq#:627; Xaa Pos. 3  
Seq#:628; Xaa Pos. 2

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L:20 M:270 C: Current Application Number differs, Replaced Current Application No  
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16  
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:16  
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32  
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16  
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:16  
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:32  
L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:16  
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:16  
L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:16  
L:628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:16  
L:941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
L:944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:16  
L:1018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:1021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:16  
L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:1098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:16  
L:1159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:1220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
L:1283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0  
L:1344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0  
L:1407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0  
L:1470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0  
L:1473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:16  
L:1535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0  
L:1611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0  
L:1614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:16  
L:1690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0  
L:1693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:16  
L:1696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:32  
L:1772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0  
L:1775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:16  
L:1778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:32  
L:1856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:16  
L:1859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:32  
L:1937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:16

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L:1940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:32  
L:2016 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0  
L:2019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:16  
L:2022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:32